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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/568,760	01/05/2007	Marcello Allegretti	3765-0122PUS1	6665	
2292 7550 BIRCH STEWART KOLASCH & BIRCH PO BOX 747			EXAM	EXAMINER	
			HABTE, KAHSAY		
FALLS CHURCH, VA 22040-0747			ART UNIT	PAPER NUMBER	
			1624		
			NOTIFICATION DATE	DELIVERY MODE	
			01/14/2009	ELECTRONIC	

## Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mailroom@bskb.com

## Application No. Applicant(s) 10/568,760 ALLEGRETTI ET AL. Office Action Summary Examiner Art Unit Kahsay T. Habte 1624 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 05 January 2009. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1 and 12-19 is/are pending in the application. 4a) Of the above claim(s) 18 and 19 is/are withdrawn from consideration. 5) Claim(s) \_\_\_\_\_ is/are allowed. 6) Claim(s) 1 and 12-17 is/are rejected. 7) Claim(s) \_\_\_\_\_ is/are objected to. 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some \* c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). \* See the attached detailed Office action for a list of the certified copies not received.

1) Notice of References Cited (PTO-892)

Notice of Draftsperson's Patent Drawing Review (PTO-948)
 Information Disclosure Statement(s) (PTO/S5/08)

Paper No(s)/Mail Date 4/9/2008 and 2/21/2008.

Attachment(s)

Interview Summary (PTO-413)
 Paper No(s)/Mail Date.

6) Other:

Notice of Informal Patent Application

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#### DETAILED ACTION

1. Claims 1 and 12-19 are pending in this application.

#### Election/Restriction

 Applicant's election with traverse of Group IV (R = others) and a single disclosed species (compound 2a as shown below) filed on 01/05/2009 is acknowledged.

This corresponds to the R = H; Ar = 2-methylpropyl substituted phenyl and R' = N-propyl pyridyl, but the definition of R' in claim 1 is H, CH3 and CH2CH3. It appears that the elected species does not exactly correspond to the definition of R' recited in claim 1 or claim 12. See first paragraph rejection below.

To expedite prosecution the examiner will proceed searching this case, even though the elected species does not correspond to the definition of the variables R and R' given in claims 1 and 12

The traversal is on the ground(s) that "at least groups III and IV should be rejoined". Applicant's argument was persuasive. The examiner withdraws the restriction between Groups III and IV. This new restriction requirement replaces the previous one.

Group I, claim(s) 1, 12-17 (in part), drawn to 1,2,4-oxadiazine compounds where R'HN-C=N-R together form a 1,2,4-oxadiazine ring (see compound 5 at page 17).

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Group II, claim(s) 1, 12-17 (in part), drawn to 1,3-imidazole compounds where R'HN-C=N-R together form a 1.3-imidazole ring (see compound 6 at page 17).

Group III, claim(s) 1, 12-17 (in part), drawn to others.

Group IV, claim(s) 18-19, drawn to a method of use.

### Advisory Rejoinder

The examiner has required restriction between product and process claims. Where applicant elects claims directed to the product, and the product claims are subsequently found allowable, withdrawn process claims that depend from or otherwise require all the limitations of the allowable product claim will be considered for rejoinder. All claims directed to a nonelected process invention must require all the limitations of an allowable product claim for that process invention to be rejoined.

In the event of rejoinder, the requirement for restriction between the product claims and the rejoined process claims will be withdrawn, and the rejoined process claims will be fully examined for patentability in accordance with 37 CFR 1.104. Thus, to be allowable, the rejoined claims must meet all criteria for patentability including the requirements of 35 U.S.C. 101, 102, 103 and 112. Until all claims to the elected product are found allowable, an otherwise proper restriction requirement between product claims and process claims may be maintained. Withdrawn process claims that are not commensurate in scope with an allowable product claim will not be rejoined. See MPEP § 821.04(b). Additionally, in order to retain the right to rejoinder in accordance with the above policy, applicant is advised that the process claims should be amended during prosecution to require the limitations of the product claims. Failure to do so may result

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in a loss of the right to rejoinder. Further, note that the prohibition against double

patenting rejections of 35 U.S.C. 121 does not apply where the restriction requirement

is withdrawn by the examiner before the patent issues. See MPEP § 804.01.

Note that the examiner search the elected species within Group IV (now Group III), but

did not find any prior art. The search was expanded to cover the whole scope of Group

III and the search was stopped when a prior art was found. After applicant's response

to this Office Action, the examiner would make the action Final if he finds another prior

art.

3. The claims are drawn to multiple inventions for reasons set forth in the restriction

requirement. The claims are examined only to the extent that they read on the elected

invention. Cancellation of the non-elected subject matter is recommended in response

to this Office Action.

Claims 18-19 would be rejoined once the conditions for rejoinder are met. It is

recommended that applicants delete "prevention" from claim 18 and delete claim 19 or

limit the inhibition to "in vitro".

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#### Information Disclosure Statement

Applicant's Information Disclosure Statement, filed on 04/09/2008 and
 02/21/2006 has been acknowledged. Please refer to Applicant's copies of the 1449 submitted herewith.

### Claim Rejections - 35 USC § 102

 The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 12 is rejected under 35 U.S.C. 102(b) as being anticipated by Delaby et al.

Compt. rend. (1958), 346, 2905-6. See below the abstract.

L4 ANSWER 61 OF 62 CAPLUS COFYRIGHT 2009 ACS on STN ACCESSION NUMBER: 1958:13428 CAPLUS Full-text DOCUMENT NUMBER: 52:113428

ORIGINAL REFERENCE NO.: 52:20024g-i,20025a

TITLE: Research on hypocholesterol. Synthesis of amidines

from substituted phenylacetic acids
AUTHOR(S): Delaby, Raymond; Reynaud, Fierre; Lilly, Frank

SOURCE: Compt. rend. (1958), 246, 2905-6

DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

AB PhCH2CN with Et2CO3 in the presence of EtCNa gives Et

g-cyanophenylacetate, converted by treatment with alkyl halides (RX) and saponification with NaOH to PhCHRCN, e.g. 62% PhCHMeCN, b15 108°, 69%

PhCHEtCN, b15 115° 72% PhCHPrCN, b14 130°, and 63%

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PhCH(C8H17-n)CM, b0.1 153°. On passing dry HCl into solms. of the
    nitriles in EtOH, the iminoesters are formed, and addition of amines in the
    presence of AlC13 gives N-substituted amidines. Thus, PhCHMeCN with HC1
    and EtOH gives FhCHMeC(:NH)OEt.HCl, m. 193.5°, and then
    P[CHMeC(:NH)NH2.HCl, m. 235°, is ethylated to PhCHMeC(:NH)NHEt,
    b0.2 109°, and PhCHMeC(:NH)NEt2, b0.1 111°, or phenylated to
    PhCHMeC(:NH)NHPh, m. 89°. Similarly, PhCHEtCN gives
    PhCHEtC(:NH)OEt.HCl, m. 98° then PhCHEtC(:NH)NH2.HCl, 232°,
    PhCHEtC(:NH)NHEt, b0.15 115°, or PhCHEtC(:NH)MEt2, m. 45°,
    and PhCHEtC(:NH)NHPh, m. 86°. Also, PhCHFrCN gives
    PhCHPrC(:NH)GEt.HCl, m. 82°, then PhCHPrC(:NH)NH2.HCl, m.
    238°, PhCHPrC(:NH)NHEt, b3 152°, or PhCHPrC(:NH)NEt2, b0.1
    102° and PhCHPrC(:NH)NHPh, m. 110.5°. PhCH(C8H17-n)CN cives
    the amidines PhCH(CSH17-n)C(:NH)NEt2, bG.3 160°, and
    PhCH(C8H17-n)-C(:NH)NHPh, m. 52°. The physiol, activity of the
    substituted amidines is being studied.
   78622-24-99, Hydratropamidine, hydrochloride 98429-53-79
    , Hydratropamidine, N-ethyl- 92579-12-9P, Hydratropamidine,
    N-mnenvl-
    RL: PREF (Preparation)
       (preparation of)
         quincipas accusing to a y
RN
    78622-24-9 CAPLUS
     Benzeneethanimidamide, a-methyl-, hydrochloride (1:1) (CA INDEX
     NAME)
     Ph NH
 Me-CH-C-NH2
     BC3
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RN 91429-53-7 CAPLUS
CN Benzeneethanimidamide, N-ethyl-α-methyl- (CA INDEX NAME)

Ph NH
Me-CH-C-NHEt

RN 92879-12-9 CAPLUS
CN Benzeneethanimidamide, α-methyl-N-phenyl- (CA INDEX NAME)

HN Ph
PhNH-C-CH-Me
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Cited reference teaches three compounds that are the same as applicants when applicant's formula (I) has the following definitions: R = H; R' = phenyl, ethyl or H; and Ar = phenyl.

### Claim Rejections - 35 USC § 112

6. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1, 12-13 and 16-19 are rejected under 35 U.S.C. 112, first paragraph,

because the specification, while being enabling for R = H, does not reasonably provide enablement for R = C1-C5-alkyl, phenyl etc. The specification does not enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to

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use the invention commensurate in scope with these claims. Applicants define R as the following, but the specification is not enabled for such a scope.

- H. C1-C5-alkyl, phonyl, C1-C5-phenyalkyl, C1-C5-cycloalkyl, C1-C5-alkenyl, C1-C5-alkoxy;
- a residue of formula -(CH<sub>2</sub>)n-NRaRb wherein n is an integer from 0 to 5 and each Ra and Rb, which may be the same or different, are C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkenyl or, alternatively, Ra and Rb, together with the nitrogen atom to which they are bound, form a heterocycle from 3 to 7 members of formula (II),

In reviewing applicant's specification and chemical structure reported in Table 1 and applicants work from the CAS, none of the compounds have any substituents attached to =N except hydrogen.

It appears that applicants confused the definition of R with the definition of R'.

## Claim Rejections - 35 USC § 112

7. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1 and 12-17 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention:

- a. In claim 1, the definition of R and R' appears to be confused. In the specification and in the search done by the examiner, it appear that the definition of R' to be that of R and the vice versa. Is the definition of R' = H, CH3 and CH2CH3? It is recommended that applicants review this definition.
- b. In claim 1 (page 3, lines 1-2), there are two extra periods in the middle of the claim. Where is the end of the claim? After line 1 at page 3 or after line 2 or after line 7?
  - c. In claim 16, the term "thiofene" is not clear. Do applicants mean "thiophene"?

#### Conclusion

 Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kahsay Habte, Ph. D. whose telephone number is (571) 272-0667. The examiner can normally be reached on M-F (9.00AM-5:30PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James O. Wilson can be reached at (571) 272-0661. The fax phone Application/Control Number: 10/568,760

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number for the organization where this application or proceeding is assigned is (571)-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Kahsay T. Habte/ Primary Examiner, Art Unit 1624

KH January 12, 2009